

# 4

RECEIVED

TECH CENTER 1600/2900  
MAR 06 2002

DATE: February 26, 2002 SHEET 1 OF 3



## Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Modified) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
6696.US.02SERIAL NO.  
09/833,914INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

## APPLICANT(S)

M. R. Schrimpf, et al.

(Use several sheets if necessary)

FILING DATE  
April 12, 2001GROUP  
1615 1624

(37 CFR 1.98 (b))

## U.S.PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
BC	A1	5,071,999	12/10/91	Schenke et al.	548	453	
BC	A2	5,382,584	01/17/95	Balasubramanian	514	215	
BC	A3	5,472,958	12/5/95	Gunn et al.	514	210	
BC	A4	5,478,939	12/26/95	Trybulski et al.	544	336	
BC	A5	5,773,912	06/30/98	Saeki et al.	310	326	
BC	A6	5,914,328	06/22/99	Lin et al.	514	252	
BC	A7	5,948,793	09/7/99	Abreo et al.	514	318	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
BC	B1	0 324 543	19.07.89	EP	—	—		
BC	B2	0 345 808	11.01.95	EP	—	—		
BC	B3	0 400 661	05.12.90	EP	—	—		
BC	B4	0 603 887	26.09.94	EP	—	—		
BC	B5	94/08922	28.04.94	WO	—	—		
BC	B6	95/23152	31.08.95	WO	—	—		
BC	B7	96/31475	10.10.96	WO	—	—		
BC	B8	97/17961	22.05.97	WO	—	—		

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

BC	C1	Arneric et al., "Cholingeric channel modulators as a novel therapeutic strategy for alzheimer's disease," Exp. Opin. Invest. Drugs 5(1):79-100 (1996)
BC	C2	Arneric, et al., "Neuronal Nicotinic Acetylcholine Receptors," Psychopharmacology: The fourth Generation of Progress 95-109 (1995)
BC	C3	Barlocco et al., J. Med. Chem. 41:674-681 (1998)

RECEIVED

MAR 06 2002

TECH CENTER  
1600/2900

<i>BC</i>	C4	Benowitz, et al., "Pharmacokinetics, metabolism, and pharmacodynamics of nicotine," Nicotine Psychopharmacology 112-157 (1990)
<i>BC</i>	C5	Berge, et al., "Pharmaceutical Salts," Journal of Pharmaceutical Sciences 66(1):1-19 (1977)
<i>BC</i>	C6	Brehm et al., "Glycine antagonists, synthesis, structure, and biological effects of some bicyclic 5-isoxazolol zwitterions," J. Med. Chem. 269:224-229 (1986)
<i>BC</i>	C7	Chem Pharm Bull. 6:408-411 (1958)
<i>BC</i>	C8	Cherny, "Opioid Analgesics," Drug 51(5):713-737 (1996)
<i>BC</i>	C9	Cope et al., "Syntheses of D-and L-2,6-diheterobicyclo [3.3.0]octanes," JACS 78:5916-5920 (1956)
<i>BC</i>	C10	Corey, et al., "A synthetic method for formyl-ethyl vinyl conversion (RCHO-RC=CH or CR)," Tetrahedron Letters 36:3769-3772 (1972)
<i>BC</i>	C11	Davidson, et al., "Cholinergic Agonists in Alzheimer's Disease Patients," Current Research in Alzheimer Therapy 333-336 (1988)
<i>BC</i>	C12	Dormoy, "Synthese Industrielle en serie ellipticine," Tetrahedron 49(14):2885-2914 (1993)
<i>BC</i>	C13	Dray et al., "New pharmacological strategies for pain relief," Annu. Rev. Pharmacol. Toxicol 36:253-80 (1996)
<i>BC</i>	C14	Dray, et al., Trends in Pharmacol. Sci. 15:190-197 (1994)
<i>BC</i>	C15	Gribble, et al., "Regioselective ortho lithiation of halopyridines," Tetrahedron letters 21:4137-4140 (1980)
<i>BC</i>	C16	Hands, et al., "A convenient method for the preparation of 5-,6 and 7-azaindoles and their derivates," Synthesis 877-882 (1996)
<i>BC</i>	C17	IUPAC, Pure and Applied Chemistry 45:13-30, 1976
<i>BC</i>	C18	Jacquet et al., Tetrahedron Letters 32(12):1565-1568 (1991)
<i>BC</i>	C19	Knight et al., "6-Hydroxypiperidinecarboxylates: additions to the chiral pool from bakers' yeast reduction of beta-ketopiperidinecarboxylates," J. Chem Soc. Perkins Trans. 1:3673-3683 (1998)
<i>BC</i>	C20	Korcyn, "Parkinson's Disease" Psychopharmacology: The Fourth Generation of Progress 126:1479-1484, 1995
<i>BC</i>	C21	Lazar, et al., "Saturated heterocycles, Part 172. Synthesis of 2,6-disubstituted-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidine derivates," J. Heterocyclic Chem. 27:1885-1892 (1990)
<i>BC</i>	C22	Linstrom, "Nicotinic Acetylcholine Receptors in Health and disease," Molecular Neurobiology 15:193-222 (1997)
<i>BC</i>	C23	Lloyd et al., "The potential of subtype-selective neuronal nicotinic acetylcholine receptor agonists as therapeutic agents," Life Sciences 62(17/18):1601-1606 (1998)
<i>BC</i>	C24	Numata, et al., "General synthetic method for naphthyridines and their n-oxides containing isoquinolinic nitrogen," Synthesis 2:306-311 (1999)
<i>BC</i>	C25	Organic Mass Spectrometry 19(9):459-450 (1984)
<i>BC</i>	C26	Padwa, et al., Organic Synthesis 67:133-140 (1988)
<i>BC</i>	C27	Pabreza et al., Molecular Pharmacology 39:9-12 (1990)
<i>BC</i>	C28	Prescott, Methods in Cell Biology XIV:33-71 (1976)
<i>BC</i>	C29	Reimschussel, et al., "Studies on new derivatives of caprolactam," Journal of Organic Chemistry 34(4):959-963, (1969)
<i>BC</i>	C30	Ronn, et al., "Palladium(II)-Catalyzed Cyclization Using Molecular Oxygen as reoxidant," Tetrahedron Letters 36(42):7749-7752 (1995)
<i>BC</i>	C31	Roth, et al., "Biochemical Pharmacology of Midbrain dopamine Neurons," Psychopharmacology: The Fourth Generation of Progress 227-243 (1995)

O I P E  
MAR 04 2002

TECH CENTER 1600/2900

MAR 06 2002

RECEIVED

BC	C32	Salin-Pascual, et al., "Antidepressant effect of transdermal nicotine patches in nonsmoking patients with major depression," J. Clin. Psychiatry 57:387-389 (1996)
BC	C33	Clayton, et al., "A total synthesis of ( $\pm$ )-Epibatidine," Tetrahedron Letters 36(46):7493-7496 (1993)
BC	C34	Sirisoma, et al., "Alpha-Iodocyloalkenones: synthesis of ( $\pm$ )-Epibatidine," Tetrahedron Letters 39:2059-2062 (1998)
BC	C35	Wagaw, et al., "The synthesis of aminopyridines: A method employing palladium-catalyzed carbon-nitrogen bond formation," J. Org. Chem. 61:7240-4241 (1996)
BC	C36	Williams et al., "Beyond the tobacco debate: dissecting out the therapeutic potential of nicotine," Exp. Opin. Invest. Drugs 5(8):1035-1045 (1996)
BC	C37	Williams, et al., J. Med. Chem. 42(9):1481-1500 (1999)
BC	C38	Wittenberger, et al., "Dialkyltin Oxide mediated addition of trimethylsilyl azide to nitriles. A novel preparation of 5-substituted tetrazoles," J. Org. Chem. 58:4139-4141 (1993)
BC	C39	Ghelardini et al., "Antinociceptive profile of the new nicotinic agonists DBO-83," Drug Development Research 40:251-258 (1997)

EXAMINER

Brandi Coleman

DATE CONSIDERED

Dec. 12, 2002

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO 1449)